

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-12 (Cancelled)

13. (New): A method for producing a magnesium alloy slurry, comprising pouring a molten metal of a magnesium alloy onto a tilted cooling body and allowing the molten metal to cool on the tilted cooling body, thereby producing a magnesium alloy slurry, wherein said tilted cooling body vibrates and maintains the temperature of said molten metal at a level not higher than a liquidus temperature of the magnesium alloy and not lower than a solidus temperature of the magnesium alloy.

14. (New): A method for producing a magnesium alloy slurry, comprising pouring a molten metal of a magnesium alloy onto a vibrating cooling body and cooling said molten metal on the cooling body, thereby producing a magnesium alloy slurry, wherein said cooling body sets a temperature of said molten metal at a level not higher than a liquidus temperature of magnesium alloy and not lower than a solidus temperature of magnesium alloy.

15. (New): A method for producing a magnesium alloy slurry according to claim 13 or claim 14, wherein the molten metal poured onto the cooling body has a supernatant removed therefrom.

16. (New): A device for producing a magnesium alloy slurry, comprising a tilted cooling body onto which a molten metal of a magnesium alloy is poured and which cools said molten metal, thereby producing a magnesium alloy slurry, said tilted cooling body comprising a cooling mechanism for causing said tilted cooling body to set a temperature of said molten metal at a level not higher than a liquidus temperature of magnesium alloy and not lower than a solidus temperature of magnesium alloy and a vibrating mechanism for imparting vibration to said tilted cooling body.

17. (New): A device for the production of a magnesium alloy slurry, comprising a cooling body onto which a molten metal of a magnesium alloy is poured, a cooling

mechanism for causing said cooling body to set a temperature of said molten metal at a level not higher than a liquidus temperature of magnesium alloy and not lower than a solidus temperature of magnesium alloy, and a cooling body vibrating mechanism for imparting vibration to said cooling body.

18. (New): A device for the production of a magnesium alloy slurry according to claim 16 or claim 17, wherein the device is provided with a melting furnace main body for melting the magnesium alloy, a heat-resistant control bar adapted to descend into said melting furnace, and a control bar driving mechanism for driving to insert said control bar into the melting furnace.

19. (New): A method for the production of an ingot of a magnesium alloy, comprising pouring a molten metal of the magnesium alloy onto a vibrating cooling body, cooling said molten metal with the vibrating cooling body, supplying the cooled molten metal to a mold and further causing the molten metal of the magnesium alloy supplied to the mold to be cooled by cooling said mold to a temperature not higher than a solidus temperature of magnesium alloy thereby, producing the ingot.

20. (New): A method for the production of an ingot of a magnesium alloy according to claim 19, wherein the molten metal supplied to the mold has a supernatant of the molten metal removed therefrom.

21. (New): A device for the production of an ingot of a magnesium alloy, comprising a cooling body for cooling a molten metal of a magnesium alloy poured thereon, a cooling body cooling mechanism for causing said cooling body to set a temperature of said molten metal to a level not higher than a liquidus temperature of magnesium alloy and not lower than a solidus temperature of magnesium alloy, a mold to which the cooled molten metal is supplied and which is cooled to further cool the cooled molten metal to a temperature of not higher than the solidus temperature of the magnesium alloy, thereby producing the ingot.

22. (New): A device for the production of an ingot of a magnesium alloy according to claim 21, wherein the device is provided with a melting furnace main body for melting the magnesium alloy, a heat-resistant control bar adapted to descend into said melting furnace

main body, and a control bar driving mechanism for driving to insert said control bar into the melting furnace.

23. (New) The method for producing a magnesium alloy slurry according to Claim 13, wherein the tilted cooling body has an elevation angle in the range of 20 degrees to 80 degrees.